

Title (en)
Weld stud

Title (de)
Schweissbolzen

Title (fr)
Goujon à souder

Publication
EP 0971135 A1 20000112 (EN)

Application
EP 99305148 A 19990630

Priority
JP 19052598 A 19980706

Abstract (en)
A weld stud (10) comprises a leg portion (12) having a root that is adapted to be welded to a workpiece and a resilient engagement pawl portion (15) integrally formed at least on one side of the leg portion (13). The resilient engagement pawl portion (15) extends diagonally outwardly from the end of the leg portion (13) toward the root and is capable of bending radially inwardly with respect to the leg portion (13). On the outside of a lower end portion of the leg portion (13), an engagement step (13a) which is an inward recess formed like a step is provided. Although it is not always necessary to make the weld stud (10) from synthetic resin, it is preferable that the entire weld stud is made of synthetic resin and is molded as a one-piece article since its use is predominantly for synthetic resin members. <IMAGE>

IPC 1-7
F16B 5/06

IPC 8 full level
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Citation (search report)
• [Y] US 5005265 A 19910409 - MULLER JOHN [US]
• [Y] US 3909883 A 19751007 - FEGEN JAMES F
• [A] US 5062382 A 19911105 - MATSUDA TAKUMI [JP]
• [A] US 5143500 A 19920901 - SCHURING ERIC J [CA], et al
• [A] US 5716161 A 19980210 - MOORE RICHARD B [US], et al
• [A] DE 3908367 C1 19900705

Cited by
EP1069326A3; EP2977624A1; CN107850097A; BE1014438A3; EP1580078A3; US7264306B2

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